



Rev. 03/19/2003

Attorney Docket No. MTEC-002/00US

Client Reference No.: 0119.00US

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on FEBRUARY 18, 2005.

By: \_\_\_\_\_

*Dolores McKay*  
Dolores McKay

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of THEKKATH et al.

Serial No.: 09/844,671

Examiner: Shaawat, Mussa

Confirmation No.: 8986

Art Unit: 2128

Filed: April 30, 2001

For: **PROGRAM COUNTER AND DATA TRACING FROM A MULTI-ISSUE PROCESSOR**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

- ☐ In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- ☒ In accordance with 37 C.F.R. §1.97(c), also enclosed is:
  - ☒ the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or
  - ☐ a statement as specified in 37 C.F.R. §1.97(e).
- ☐ In accordance with 37 C.F.R. §1.97(d), a statement as specified in 37 C.F.R. § 1.97(e) and the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) are also enclosed.
- ☒ Check in the amount of \$180.00 for the total fee is attached.

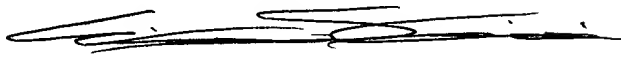
The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 03-3117.

Dated: Feb. 18, 2005

Cooley Godward LLP  
ATTN: Patent Group  
Five Palo Alto Square  
3000 El Camino Real  
Palo Alto, CA 94306-2155  
Tel: (650) 843-5000  
Fax: (650) 857-0663  
WSG/dm

Respectfully submitted,  
**COOLEY GODWARD LLP**

By: \_\_\_\_\_

  
William S. Galliani  
Reg. No. 33,885

Attorney Docket No. MTEC-002/00US  
 Client Reference No.: 0119.00US

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 22, 2005.

By: \_\_\_\_\_

*Dolores McKay*  
 Dolores McKay

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of THEKKATH et al.

Serial No.: 09/844,671

Examiner: Shaawat, Mussa

Confirmation No.: 8986

Art Unit: 2128

Filed: April 30, 2001

For: **PROGRAM COUNTER AND DATA TRACING FROM A MULTI-ISSUE PROCESSOR**

Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(c)

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,

Applicant(s) hereby submits the following information in conformance with 37 C.F.R.

§§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of each document F1-F2, and C1 cited in the attached Form PTO/SB/08 are enclosed.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. \_\_\_\_ to which the above-identified application claims priority under 35 U.S.C. §120.

02/23/2005 HLE333 00000030 09844671

01 FC:1806

180.00 DP

- ☒ [X] No copies of any U.S. patents or U.S. patent application publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98.
- ☐ [] Publication(s) \_\_\_ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to \_\_\_ application serial no. \_\_\_ and mailed on \_\_\_.
- ☐ [] Enclosed is a copy of a non-English publication(s) \_\_\_. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ [] Enclosed is a copy of a non-English publication(s) \_\_\_. English language publication \_\_\_ (copy enclosed) claims priority from this non-English publication.
- ☐ [] Enclosed is an explanation of non-English publication(s) \_\_\_ for which an English translation is not available.
- ☐ [] Enclosed is an English translation of non-English publication(s) \_\_\_ cited in the attached Form PTO/SB/08A.
- ☐ [] Enclosed is a copy of pending patent Application Serial No. \_\_\_.

This Information Disclosure Statement is filed after the period specified in 37 C.F.R. § 1.97(b), but before the mailing of:

- ☒ [X] a final action under 37 C.F.R. §1.113;
- ☐ [] a notice of allowance under 37 C.F.R. §1.311; or
- ☐ [] an action that otherwise closes prosecution in this application.

In accordance with 37 C.F.R. §1.97(c) also enclosed is:

- ☒ [X] Fee under 37 C.F.R. §1.17(p) in the amount of \$180.00; or
- ☐ [] Statement as specified in 37 C.F.R. §1.97(e):
- ☐ [] Each item of information contained in the Information Disclosure Statement cited herein was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
- ☐ [] No item of information contained in the Information Disclosure Statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of

the undersigned, having made a reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: Feb. 18, 2005

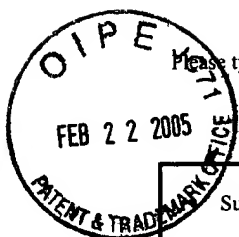
Cooley Godward LLP  
ATTN: Patent Group  
Five Palo Alto Square  
3000 El Camino Real  
Palo Alto, CA 94306-2155  
Tel: (650) 843-5000  
Fax: (650) 857-0663  
WSG/dm

Respectfully submitted,  
**COOLEY GODWARD LLP**



By: \_\_\_\_\_

William S. Galliani  
Reg. No. 33,885



Please type a plus sign (+) inside this box →

+

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

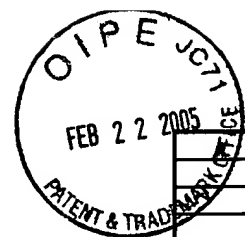
|       |   |    |   |                        |                |
|-------|---|----|---|------------------------|----------------|
| Sheet | 1 | of | 2 | Application Number     | 09/844,671     |
|       |   |    |   | Filing Date            | April 30, 2001 |
|       |   |    |   | First Named Inventor   | THEKKATH       |
|       |   |    |   | Group Art Unit         | 2128           |
|       |   |    |   | Examiner Name          | Shaawat, Mussa |
|       |   |    |   | Attorney Docket Number | MTEC-002/00US  |

## **U.S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited<br>Document MM-DD-YYYY |
|-----------------------|--------------------------|----------------------|--------------------------------------|---|---|
|                       |                          | Number               | Kind Code <sup>2</sup><br>(if known) |   |   |
|                       | P1                       | 3,473,154            |                                      | Couleur et al.                                  | 10/14/1969  |
|                       | P2                       | 3,585,599            |                                      | Hitt  | 06/15/1971  |
|                       | P3                       | 3,681,534            |                                      | Burian et al.                                   | 08/01/1972  |
|                       | P4                       | 3,702,989            |                                      | Provenzano, Jr. et al.                          | 11/14/1972  |
|                       | P5                       | 3,704,363            |                                      | Salmassey et al.                                | 11/28/1972  |
|                       | P6                       | 3,707,725            |                                      | Dellheim  | 12/26/1972  |
|                       | P7                       | 3,771,131            |                                      | Ling  | 11/06/1973  |
|                       | P8                       | 3,794,831            |                                      | Frankeny et al.                                 | 02/26/1974  |
|                       | P9                       | 3,805,038            |                                      | Buedel et al.                                   | 04/16/1974  |
|                       | P10                      | 3,906,454            |                                      | Martin  | 09/16/1975  |
|                       | P11                      | 4,205,370            |                                      | Hirtle  | 05/27/1980  |
|                       | P12                      | 4,293,925            |                                      | Hang et al.                                     | 10/06/1981  |
|                       | P13                      | 4,423,508            |                                      | Shiozaki et al.                                 | 12/27/1983  |
|                       | P14                      | 4,462,077            |                                      | York  | 07/24/1984  |
|                       | P15                      | 4,503,495            |                                      | Boudreau  | 03/05/1985  |
|                       | P16                      | 4,511,960            |                                      | Boudreau  | 04/16/1985  |
|                       | P17                      | 4,539,682            |                                      | Herman et al.                                   | 09/03/1985  |
|                       | P18                      | 4,553,223            |                                      | Bouhelier et al.                                | 11/12/1985  |
|                       | P19                      | 4,554,661            |                                      | Bannister                                       | 11/19/1985  |
|                       | P20                      | 4,590,550            |                                      | Eilert et al.                                   | 05/20/1986  |
|                       | P21                      | 4,742,466            |                                      | Ochiai et al.                                   | 05/03/1988  |
|                       | P22                      | 4,783,762            |                                      | Inoue et al.                                    | 11/08/1988  |
|                       | P23                      | 4,835,675            |                                      | Kawai   | 05/30/1989  |
|                       | P24                      | 5,058,114            |                                      | Kuboki et al.                                   | 10/15/1991  |
|                       | P25                      | 5,150,470            |                                      | Hicks et al.                                    | 09/22/1992  |
|                       | P26                      | 5,274,811            |                                      | Borg et al.                                     | 12/28/1993  |
|                       | P27                      | 5,289,587            |                                      | Razban  | 02/22/1994  |
|                       | P28                      | 5,404,470            |                                      | Miyake  | 04/04/1995  |
|                       | P29                      | 5,434,622            |                                      | Lim   | 07/18/1995  |
|                       | P30                      | 5,471,594            |                                      | Stone   | 11/28/1995  |
|                       | P31                      | 5,533,193            |                                      | Roscoe  | 07/02/1996  |
|                       | P32                      | 5,581,691            |                                      | Hsu et al.                                      | 12/03/1996  |
|                       | P33                      | 5,621,886            |                                      | Alpert et al.                                   | 04/15/1997  |
|                       | P34                      | 5,625,785            |                                      | Miura et al.                                    | 04/29/1997  |
|                       | P35                      | 5,689,636            |                                      | Kleber et al.                                   | 11/18/1997  |
|                       | P36                      | 5,689,694            |                                      | Funyu   | 11/18/1997  |
|                       | P37                      | 5,715,435            |                                      | Ikei  | 02/03/1998  |
|                       | P38                      | 5,748,904            |                                      | Huang et al.                                    | 05/05/1998  |
|                       | P39                      | 5,751,942            |                                      | Christensen et al.                              | 05/12/1998  |
|                       | P40                      | 5,812,868            |                                      | Moyer et al.                                    | 09/22/1998  |
|                       | P41                      | 5,832,515            |                                      | Ledain et al.                                   | 11/03/1998  |
|                       | P42                      | 5,848,264            |                                      | Baird et al.                                    | 12/08/1998  |
|                       | P43                      | 5,878,208            |                                      | Levine et al.                                   | 03/02/1999  |
|                       | P44                      | 5,946,486            |                                      | Pekowski  | 08/31/1999  |

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.



|     |              |                     |            |
|-----|--------------|---------------------|------------|
| P45 | 6,009,270    | Mann                | 12/28/1999 |
| P46 | 6,012,085    | Yohe et al.         | 01/04/2000 |
| P47 | 6,106,573    | Mahalingaiah et al. | 08/22/2000 |
| P48 | 6,256,777    | Ackerman            | 07/03/2001 |
| P49 | 6,282,701    | Wygodny et al.      | 08/28/2001 |
| P50 | 6,314,530    | Mann                | 11/06/2001 |
| P51 | 6,338,159    | Alexander           | 01/08/2002 |
| P52 | 6,353,924    | Ayers et al.        | 03/05/2002 |
| P53 | 6,457,144    | Eberhard            | 09/24/2002 |
| P54 | 6,467,083    | Yamashita           | 10/15/2002 |
| P55 | 6,487,715    | Chamdani et al.     | 11/26/2002 |
| P56 | 6,530,076    | Ryan et al.         | 03/04/2003 |
| P57 | 6,615,370    | Edwards et al.      | 09/02/2003 |
| P58 | 6,615,371    | McCullough et al.   | 09/02/2003 |
| P59 | 6,658,649    | Bates et al.        | 12/02/2003 |
| P60 | 6,684,348    | Edwards et al.      | 01/27/2004 |
| P61 | 2001/0054175 | Watanabe            | 12/20/2001 |
| P62 | 2002/0046393 | Leino et al.        | 04/18/2002 |
| P63 | 2002/0147965 | Swaine et al.       | 10/10/2002 |

#### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document |                     |                                      | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | T <sup>4</sup> |
|--------------------|-----------------------|-------------------------|---------------------|--------------------------------------|---|--|----------------|
|                    |                       | Office <sup>1</sup>     | Number <sup>2</sup> | Kind Code <sup>3</sup><br>(if known) |   |  |                |
|                    | F1                    | GB                      | 2 329 048           |                                      | ARM Limited                                     | 10/03/1999                                       |                |
|                    | F2                    | GB                      | 2 329 049           |                                      | ARM Limited                                     | 10/03/1999                                       |                |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

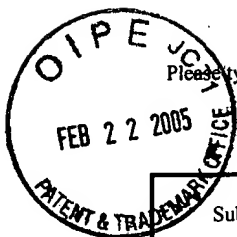
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>2</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>4</sup> Applicant is to place a check mark here if English language Translation is attached.



Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

|   |   |           |   |                               |                |
|---|---|-----------|---|-------------------------------|----------------|
| <b>Substitute for form 1449B/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |           |   | <b>Complete if Known</b>      |                |
|   |   |           |   | <b>Application Number</b>     | 09/844,671     |
|   |   |           |   | <b>Filing Date</b>            | April 30, 2001 |
|   |   |           |   | <b>First Named Inventor</b>   | THEKKATH       |
|   |   |           |   | <b>Group Art Unit</b>         | 2128           |
|   |   |           |   | <b>Examiner Name</b>          | Shaawat, Mussa |
| <b>Sheet</b>  | 1 | <b>of</b> | 1 | <b>Attorney Docket Number</b> | MTEC-002/00US  |

| <b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b> |                                 |  |                      |
|--|---------------------------------|--|----------------------|
| <b>Examiner<br/>Initials*</b>                            | <b>Cite<br/>No.<sup>1</sup></b> | <b>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,<br/>magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country<br/>where published.</b> | <b>T<sup>2</sup></b> |
|  | 1                               | Embedded Trace Macrocell Specification, Rev. 0/0a, ARM IHI 0014C, ARM Ltd. (1999)  |                      |

|                               |  |                            |  |
|-------------------------------|--|----------------------------|--|
| <b>Examiner<br/>Signature</b> |  | <b>Date<br/>Considered</b> |  |
|-------------------------------|--|----------------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> Applicant is to place a check mark here if English language Translation attached.